



The Straits
ACCORDION
folding door

**INSTALLATIONS
and
SPECIFICATIONS**

16e
St

A. I. A. File No. 16-M

*Very important
sound information
see page 14 -*

Architecturally
Correct
for...



**RESIDENTIAL ...
COMMERCIAL ...
AND
INSTITUTIONAL
BUILDINGS**

The Straits **ACCORDION** *folding door*



TOMORROW'S FABRICS TODAY

The eye appeal of a successful fabric, to the public, seldom exceeds three years. Consequently, Straits is always striving to present a fashion first in its decorator fabrics. Compare this line of "Tomorrow's Fabrics Today", from such famous mills as U. S. Rubber, Naugahyde, Textileather, Tolex, General Tire, Boltaflex, Terson, Athol, Joanna Western, Columbus Coated, DuPont, Fabrilite, and other nationally known producers.

FOR DOORS OR WALLS

To meet the new trend Straits now has available wall covering to harmonize with the folding doors. This attractive vinyl covering is impervious to grease and resists abrasion. It is easily washable and will please the most discriminating decorator. It is particularly adaptable for restaurants, hospitals and commercial applications as well as residential.



Available for doors or walls in more than 75 colors in 12 textures, such as Boucles, Brocatells, Matelasses, Tapestries, Grass Cloths, Antique finishes, straw patterns and leather finishes. See your local distributor for color swatches of complete line.

KITCHEN-DINING ROOM

When not in use, your kitchen can be concealed behind beautiful Straits Accordion Folding Doors. Or your kitchenette can be changed into a dining room with a pull of these practical "movable walls."



LIVING ROOM

One of the finest applications of a Straits Accordion Folding Door is a closure between living and dining room. When the hostess must leave the group to prepare dinner she simply slides the easy closing Straits Accordion Folding Doors together and goes about her task without bother or interruption. But just as important is the home decorative feature of these striking doors.



RECREATION ROOM

You'll have finer parties and better fun in your recreation room if you'll close it off from the rest of the basement with colorful Straits Accordion Folding Doors.



ATTIC ROOM

Swinging or sliding doors usually won't work in attic rooms due to involvement with the roof. Straits Accordion Folding Doors will work and well.



By transforming one room into many and back again in seconds the versatile Straits Accordion Folding Door is proving extremely useful in Schools, Hospitals, Professional Offices, Funeral Parlors and for other specific institutional and commercial needs.



SPACE SAVING

Most dress shop dressing rooms are hampered by narrow hallways and a general lack of space. Here Straits Accordion Folding Doors are a good-business "must."

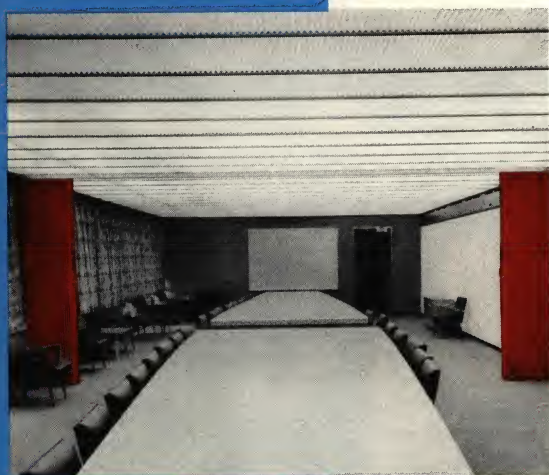
MATERNITY MODES—Northland, Detroit, Michigan—Architect—Henry Abrams



FOR PRIVACY

In this restaurant various club meetings and private parties can be held in complete privacy, behind this attractive folding door, yet the entire area can be opened up for the evening rush hour.

PARADISO CAFE—Detroit, Michigan—Architect—Al Krinicki



SPECIAL REQUIREMENTS

In this executives' conference room two meetings can be held simultaneously or this versatile room divider can be folded back to accommodate one large group.

FORD MOTOR COMPANY—Executives Conference Room—Dearborn, Michigan
Architects—Skidmore, Owings and Merrill.

INCREASING FACILITIES

Schools and Colleges find Straits Accordion Folding Doors useful in libraries and student buildings to form small study rooms. In school buildings they can be used successfully for dressing rooms, additional classrooms, cloakrooms and clubrooms.

LAURA F. OSBORNE HIGH SCHOOL—Detroit, Michigan
Architects—Smith, Hinchman and Grylls

**FOR MEETING ROOMS**

The grand ballroom in this hotel can be converted into many small conference or display areas in a matter of seconds. Versatile Straits Accordion Folding Doors enable various groups to conduct meetings simultaneously with privacy.

GRAND BALLROOM—SHERATON HOTEL—Philadelphia, Pennsylvania
Architects—Perry, Shaw, Hepburn and Dean.

**ROOM DIVISIONS**

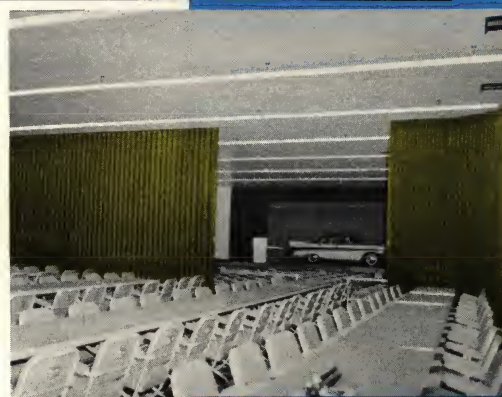
This dining room can be made larger or smaller at will, to suit the Governor or his staff at this State Capitol Building. Whatever your problems may be: Space Saving, Privacy, Space Division or any one of the host of closure requirements, Straits Accordion Folding Doors can solve that problem.

GOVERNORS EXECUTIVE DINING ROOM—Topeka, Kansas
Architect—Dwight Brown.

**COMMERCIAL ARRANGEMENTS**

The commercial and institutional uses of Straits Accordion Folding Doors are unlimited. Where space is always at a premium, Straits Accordion Folding Doors more than pay their way. As an attractive display background, they've proven to be colorful and expert "super salesmen."

CHRYSLER CORPORATION SALES TRAINING ROOM—Detroit, Michigan
Architects—Austin Engineers Inc.



STRAITS QUALITY CONSTRUCTION MAKES THE BIG DIFFERENCE

The Straits Accordion Folding Door is built with many additional features, to please the most discriminating customer.



SEAMS

All seams are stitched with nylon thread reinforced with pre-shrunk cotton tape. If cross stitch is broken, tape prevents seam from opening.



LOCK

The lock is an optional but sometimes highly desirable feature. Comes in a lifetime chrome finish. CAN BE LOCKED ON ONE SIDE AND OPENED WITH A KEY FROM THE OTHER SIDE. This is a Straits FIRST. This lock can also be used as a latch only.



INSULATION

Where sound insulation is required doors can be furnished with two aircraft type fiberglass blankets each stitched between layers of clear poly vinyl chloride flame resistant sheeting affording the utmost in sound retarding.



SWEEP STRIP

The sweep strip is a composition rubber, flexible sheeting which can be attached to the bottom of the door when extreme privacy and the ultimate in sound-proofing is desirable.



HINGE

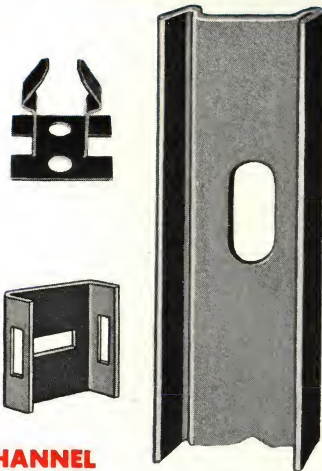
Hinges are 18 gauge channel type, reinforced at the corners. Hinges, as well as the $\frac{3}{16}$ " reinforcing rods, are galvanite rust resistant steel.



IMPINGING FEATURE

The curtain is impinged to the curtain clip with an automotive type Dot fastener, through a heavy duty cotton webbing, which is sewn to the curtain with nylon thread.

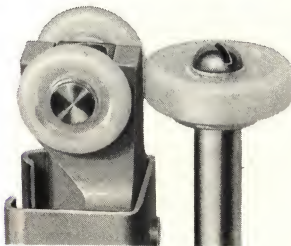
The curtain is impinged at the bottom of the valleys and immediately in back of the lead post and immediately in front of the jamb post assuring evenness of drape and making the most wrinkle-free door available.

**CHANNEL**

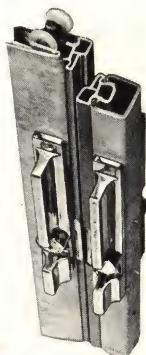
Heavy duty 16-gauge galvanite steel back channel, beaded for rigidity and reinforced at all flanged points for strength.

JAMB CLIPS

Clips for residential doors made of tempered spring steel that snap into channel and hold door to jamb. Heavy duty U shaped clips furnished for large commercial and institutional doors.

**TROLLEY**

That all lead trolleys will have a horizontal guide wheel, a bronze casting, or both where needed to prevent twisting and insure positive alignment when latching.

**ASTRAGAL**

A flexible rubber bumper that fits flush with the door jamb on single doors, and when doors are used in pairs it has an overlap feature that assures can't-see-through privacy.

GENERAL SPECIFICATIONS**FRAME**

Straits Accordion Folding Doors shall consist of a rust-resistant, 18 gauge or heavier, steel frame of interlacing collapsible and extensible hinges having a pantograph action. Hinges shall be provided top and bottom and connected by means of $\frac{3}{16}$ " galvanite vertical rods to provide resistance against side-sway and to guarantee balanced action. Rods not to be structurally weakened nor protective coating burned off as in a weld but rather shall be fastened by means of a speed nut with a minimum tensile strength of 350 lbs. All doors 7' 6" in height will have an intermediate row of hinges and each 3' 6" in height thereafter will have an additional row of hinges to provide positive operation of all folds. Hinges and rods will be so constructed and with the aid of limit chains on doors 7' 6" wide and wider as to cause the folds of door to extend uniformly. All mechanism for producing stability and pantographic action shall be contained within the door frame and fabric covering. Hinges shall consist of 16 gauge carbon steel and shall be so formed as to provide a bushing action at axis points and shall be formed in "U" channel shape to provide an average hinge strength of 161 lbs., under transverse load tests as certified by an independent testing laboratory and certificate of same shall accompany doors to prevent substitution.

TRACK AND HARDWARE COMPONENT PARTS

All track shall be rust-resistant and have a silver grey baked-on enamel finish. Track shall be so formed of 18-gauge or heavier steel as to provide raceways for the hanger trolleys. Straits Accordion Folding Doors shall be equipped with tempered spring steel jamb clips so as to provide a full concealed attachment at the jamb. On large commercial installations a heavy duty U shaped jamb clip shall also be furnished. Lead posts shall be fitted with a heavy rubber insert gasket to fit into cloth covered jamb molds for a more uniform appearance and to help seal against sound leakage. All intermediate trolleys as well as front trolleys shall be adjustable. All front trolleys or lead trolleys will have a horizontal guide wheel, a bronze casting or both where needed to prevent twisting and assure positive alignment when latching. All locks and handles shall be fastened by means of studs and speednuts on the inside of the lead post and such attachments shall be wholly concealed. The chrome exterior hardware shall be guaranteed against rust and discoloration.

COVERING

The frame of "Straits Accordion Folding Doors" shall be covered with a durable, sunfast, flame-resistant, mildew-proof vinyl plastic coated fabric, having a minimum weight of 27 ounces per lineal yard of 54" wide material. Vinyl plastic shall be of a type that will not peel, craze or crack. The manufacturer of the vinyl coated material shall guarantee a shrinkage of 1% or less. Where it is necessary to make a seam in the fabric, the cloth shall be joined and sewed together with nylon thread and then double-stitched with a webbing reinforcement to prevent the cloth from pulling apart at the seams and at all times vertical seams shall be placed in the bottom of the volutes. The vinyl covering shall be attached to the frame at the top and bottom by sewing a heavy webbing to the fabric that is wide enough to completely protect the outer covering from hinges and attaching thereto an automotive fastener which shall impinge on a special fastener clip of the framework. Fastening points shall be in each valley of each fold and immediately in back of the lead post and immediately in front of the jamb post in order that the glueing of the fabric to the lead and jamb posts is relieved of all strain and stress and not counted on to hold the folds in position at those points.

ACCESSORIES

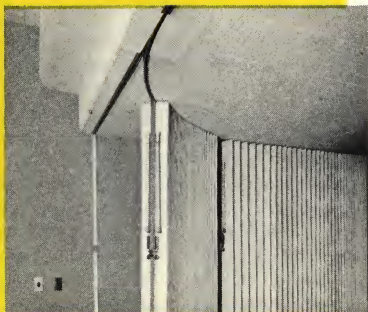
Available are sub-channel for concealed track installations, as also are locks, latches, various switches and meeting posts, as well as, fiber glass sound insulation. As in the case of sound insulated doors, they shall have a minimum Noise Reduction Coefficient of 44% as certified by an independent testing laboratory tested under ASTM procedure C423-58T. Insulated doors to consist of two fibrous glass blankets, each stitched between layers of poly vinyl chloride sheeting that will not support combustion. The total door weight, including track, not to exceed 1.41 lbs., per sq. ft. of opening.

As in the case of single doors, they shall have an average transmission loss of 20.9 dbs tested in accordance with ASTM procedure E90-55.

The Acoustical Door (double door) shall have 31.7 dbs over the full range of nine frequencies from 125 cps to 4000 cps tested in accordance with procedure ASTM E90-55.

SPECIAL STRAITS FEATURES

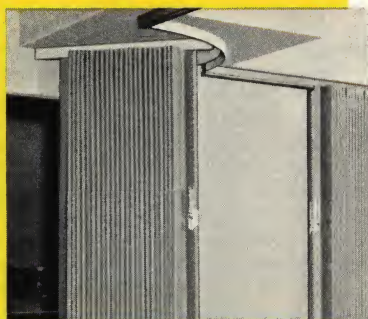
Straits manufactures various switches, meeting posts and operators that when used in conjunction with Accordion Folding Doors greatly increase the utilization of space. Complete specifications and shop drawings on request.



GLIDE SWITCH

Glide switch is available electrically operated with a self timing wall switch. Also available as a manually operated switch with a metal pole. With the use of Glide switches many doors may be stored in one location along one wall in the room.

CAUTION: Doors must be in the stacked position when run through switch.)



PIVOT SWITCH

The Pivot Switch may be used to make one door serve as a closure or partition at different locations within the room. The door when stacked can be swung through a 90° angle and extended at right angles. When not in use it may be swung flat against the wall or extended to form a closure along the wall. (**NOTE:** Pivot switches are available in four sizes: Small for doors to 8' wide; medium for doors 8' to 15' wide; large for doors 15' to 20' wide; and extra large for doors 20' to 26' wide.) Doors must be made with Rolling Post Construction. Available for medium and large tracks only.



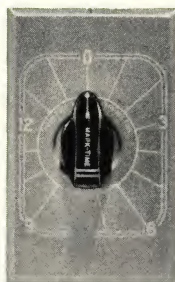
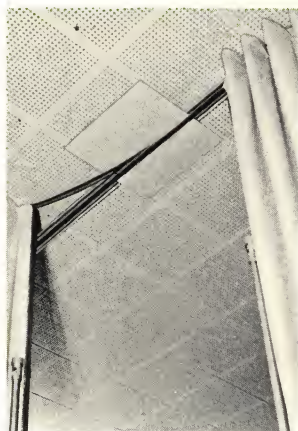
MEETING POST

With the use of various meeting posts a large room can be made into many class rooms accommodating various separate groups at one time, eliminating the need for unsightly upright columns.

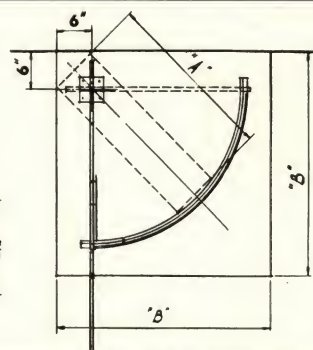
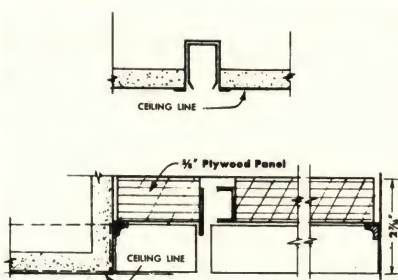
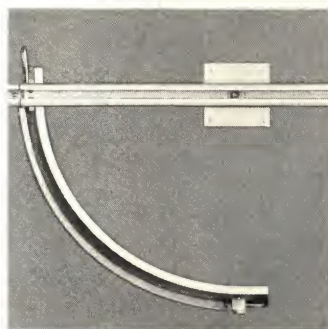
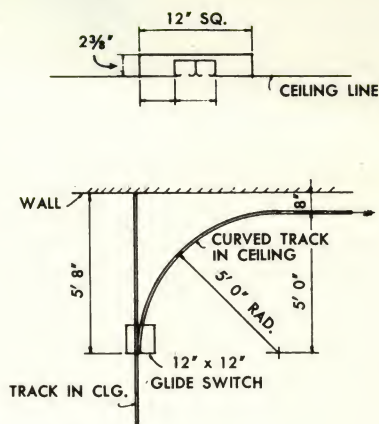


ELECTRICAL OPERATOR

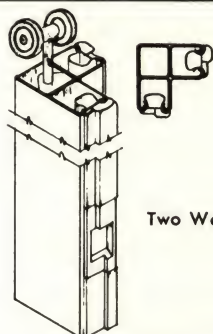
When manual operation is impractical on large installations an electrical operator is available with push button control to open and close doors. Manual operators with hand crank are also available to open and close doors. Doors not exceeding 25 ft. in width or 300 sq. ft. in area may be operated with $\frac{3}{32}$ " dia. cables within the track. Over 300 sq. ft. $\frac{5}{32}$ " dia. cable is essential and the 5" wide recess pan is used to accommodate the operating cables.



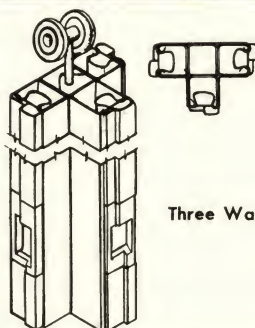
Self Timing
Wall Switch



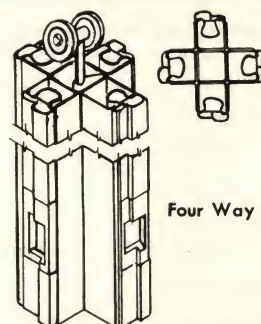
SWITCH SIZE	A	B
SMALL	18"	21"
MEDIUM	30"	36"
LARGE	42"	48"
EXTRA LARGE	54"	60"



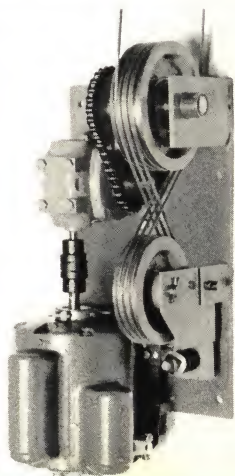
Two Way Post



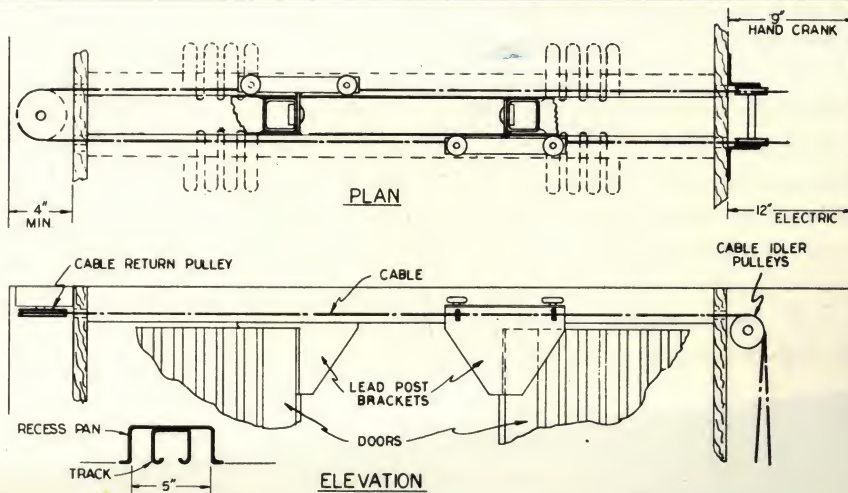
Three Way Post



Four Way Post



Instant
Contact
Wall
Switch
Safety Fused



Imperial 8 folding door

Straits manufactures a complete line of Straits Accordion Folding Doors to meet any closure problem. These doors fall into four general classifications: the Stock Imperial 8 door, the Standard Imperial 8 door, the Custom Imperial 8 door illustrated on this page and page 11, and the Monarch Custom 12 door illustrated on pages 12 and 13. Factors which distinguish the four groups are noted throughout this catalog.

STOCK AND STANDARD IMPERIAL DOORS Stack and Weight Information

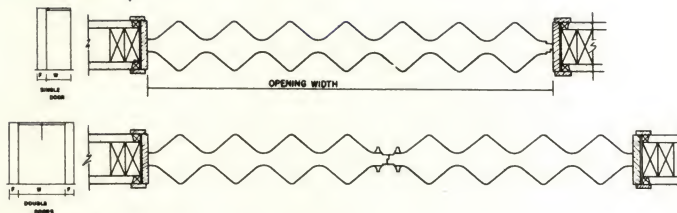
6'6" HEIGHT			6'8½" HEIGHT			8'0" HEIGHT		
WIDTH	APPROX. STACK	SHIP WGT.	APPROX. STACK	SHIP WGT.	APPROX. STACK	SHIP WGT.	APPROX. STACK	SHIP WGT.
2'6"	6"	28#	6"	28#	6"	31#		
3'0"	7"	32#	7"	32#	7"	37#		
3'6"	8"	36#	8"	36#	8"	43#		
4'0"	9"	40#	9"	40#	9"	49#		
4'6"	10"	46#	10"	46#	10"	55#		
5'0"	11"	51#	11"	51#	11"	61#		
5'6"	12"	56#	12"	56#	12"	67#		
6'0"	13"	61#	13"	61#	13"	74#		
6'6"	14"	66#	14"	66#	14"	80#		
7'0"	15"	72#	15"	72#	15"	86#		
7'6"	16"	77#	16"	77#	16"	92#		
8'0"	17"	82#	17"	82#	17"	98#		
8'6"	18"	87#	18"	87#	18"	104#		
9'0"	19"	92#	19"	92#	19"	110#		
9'6"	20"	97#	20"	97#	20"	116#		
10'0"	21"	102#	21"	102#	21"	122#		
10'6"	22"	107#	22"	107#	22"	128#		
11'0"	23"	112#	23"	112#	23"	135#		
11'6"	24"	117#	24"	117#	24"	141#		
12'0"	25"	122#	25"	122#	25"	147#		
12'6"	26"	127#	26"	127#	26"	153#		
13'0"	27"	133#	27"	133#	27"	159#		

*For each additional lineal foot of opening width add 2" for stack per foot.

**For each additional lineal foot add 10 lbs. 6'6" and 6'8½" high.

***For each additional lineal foot add 12 lbs. 8'0" high.

Sizes shown in colored portion of chart are stock doors, prepackaged in choice of five colors, beige, opal, ivory, light green and white. These are priced lower than those shown in white portion of chart. All sizes shown are for standard opening heights. Any heights not shown are considered special and Custom Imperial 8 doors can be built to fit these specific openings. These are priced slightly higher than stock and standard doors.

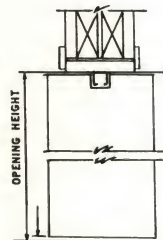


WIDTH MEASUREMENT

The width measurement is the distance between finished jambs. Door widths are in approximate 6" increments. Illustration shows finished opening width for one or a pair of doors in a typical opening.

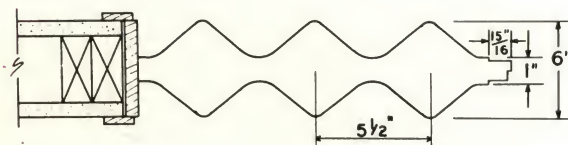
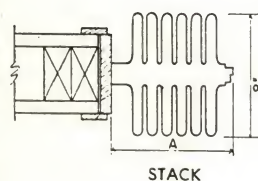
HEIGHT MEASUREMENT

The height measurement is the distance from finished opening at the top to finished floor or carpet. It is important to make finished openings 6'6", 6'8½" or 8' high when possible to make use of the lower priced stock and standard sizes.



STACK

Dimension "A" refers to the compressed dimension or "stack" of the door. Refer to large chart for proper stack dimensions per opening width. For easy calculation Figure 2 of "stack" per lineal foot of opening. Example: a 10' door would stack width 20".



Physical dimensions for door in extended position, including measurements of lead post.

TRACKS

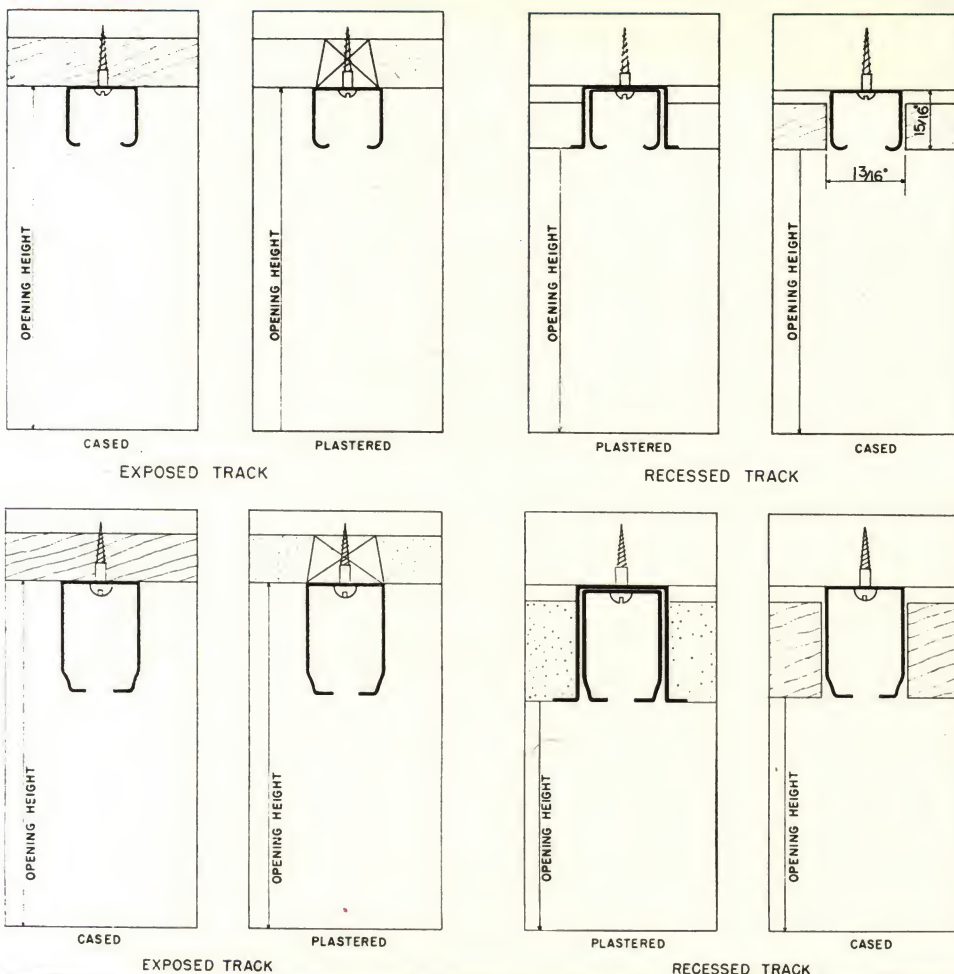


Illustration at left shows standard track that is furnished for doors to 10'6" in height, or for a single door to 16' in width, or for a pair of doors to 32' in width.

CAUTION!

Door opening height should ALWAYS be specified from BOTTOM of finished ceiling to TOP of finished floor or carpet.

Illustration at left shows medium track which is standard above 10'6" in height regardless of width. Standard on single doors 16' and wider regardless of height. Standard on pairs of doors 32' or wider regardless of height. Also available as an accessory for doors narrower or lower than above.

EXTRA HINGE:

Doors 7'6" in height will have an extra intermediate row of hinges and every 3'6" of opening height beyond 7'6" will have an additional row of hinge plates.

LIMIT CHAINS:

Limit chains are added to doors 7'6" and wider to assure evenness of drape and full volute's the full width of door.

POCKET OR DOOR RECESS INSTALLATIONS

Illustration below shows sliding jamb recessed in pocket. This sliding jamb is covered with door material. Cloth will be furnished to contractor for covering sliding jamb. For depth of pocket refer to chart on page 10 and add 4" to door stack (dim. A).

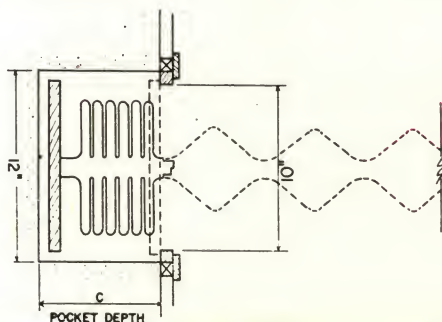
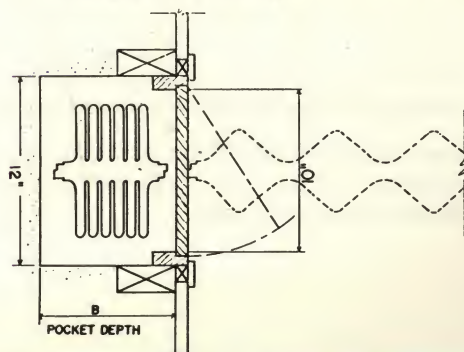


Illustration below shows a recessed pocket installation. This door must be made with a Rolling Post (see page 14). For depth of pocket refer to chart on page 10 and add 4" to door stack (dim. A.). NOTE: Hinged doors and stops are not furnished by Straits.



Monarch 12 folding door

CONSTRUCTION

Since the Monarch Custom 12 Accordion Folding Door is designed for use in Commercial and Institutional buildings, where openings are large and use is heavy, straits construction is correspondingly stronger to accept the greater demands. Hinges, and other parts which bear the strain are gauged for heavy duty throughout.

WIDTH MEASUREMENT

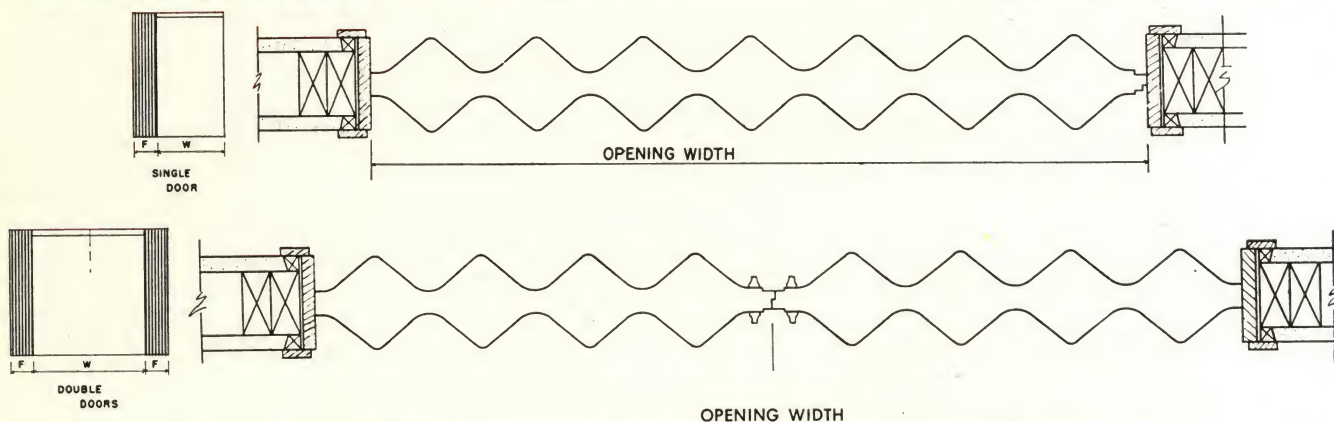
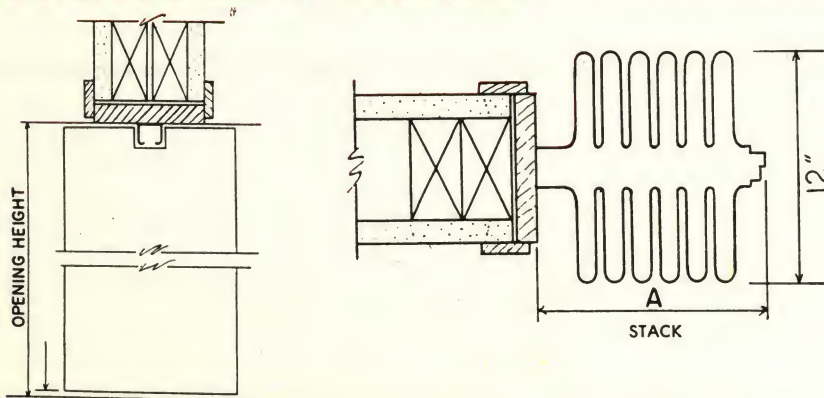


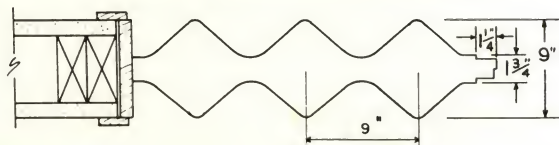
Illustration above shows dimensional diagram of Monarch Custom 12 single and double door installations. The width measurement is the distance between finished jambs. Door widths are in approximate 6" increments. Illustration shows finished opening width for one or a pair of doors in a typical opening.

STACK AND HEIGHT MEASUREMENT

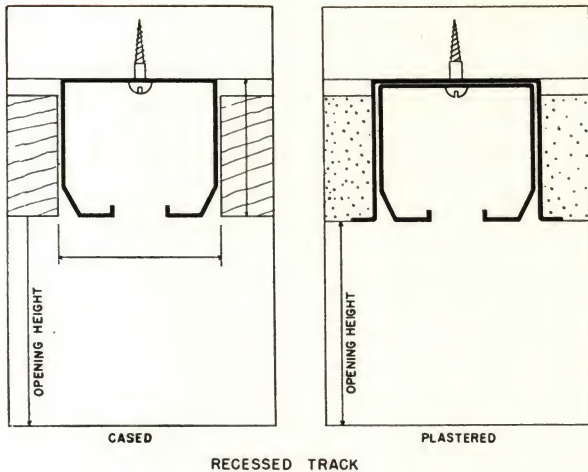


STACK SPACE—All Folding Doors require stack space. Stack and height dimensional diagram for Monarch Custom 12 Folding Door is shown at left. Dimension "A" for a door which would fit a 4' wide opening is 6". Add 1" of stack for each 1' of opening beyond 4' in width. Example: A door which would fit a 5' wide opening would stack 7", etc.

Illustration at right shows the Monarch Custom 12 Folding Door in an extended position with the dimensions of lead post.



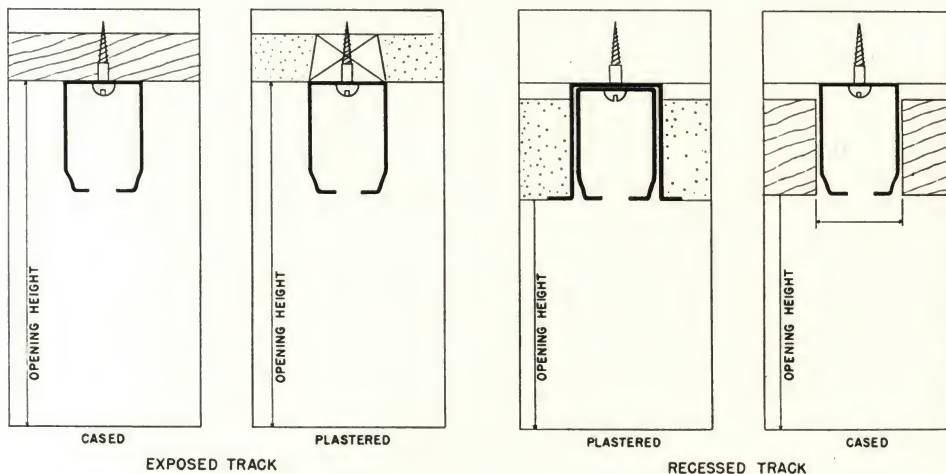
TRACKS



This large track, as illustrated at left, can be used only as a concealed installation. Pan and track illustrated on page 15.

CAUTION!

Door opening height should ALWAYS be specified from BOTTOM of finished ceiling to TOP of finished floor or carpet.

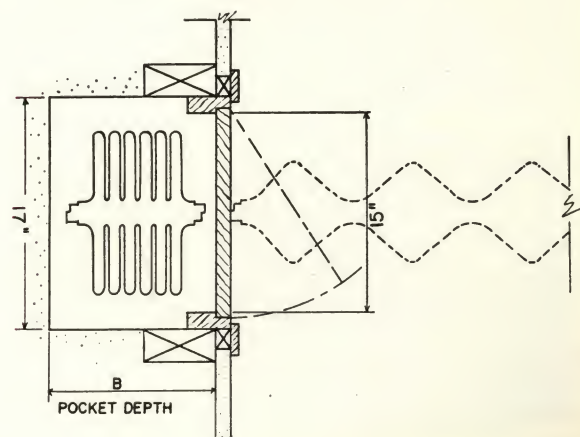
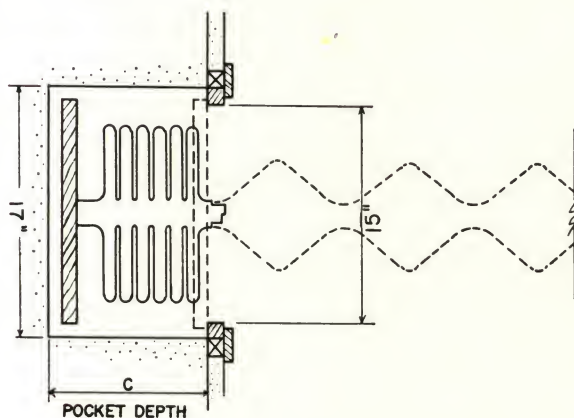


Medium track, illustrated at left, can be used on Monarch Custom 12 Folding Doors, from 8' up to 20' in height. Either exposed or concealed in ceiling. Medium track is recommended when it is to be exposed. Pan and track illustrated on page 15.

POCKET OR DOOR RECESS INSTALLATIONS

Illustration below shows sliding jamb recessed in pocket. This sliding jamb is covered with door material. Cloth will be furnished to contractor for covering sliding jamb.

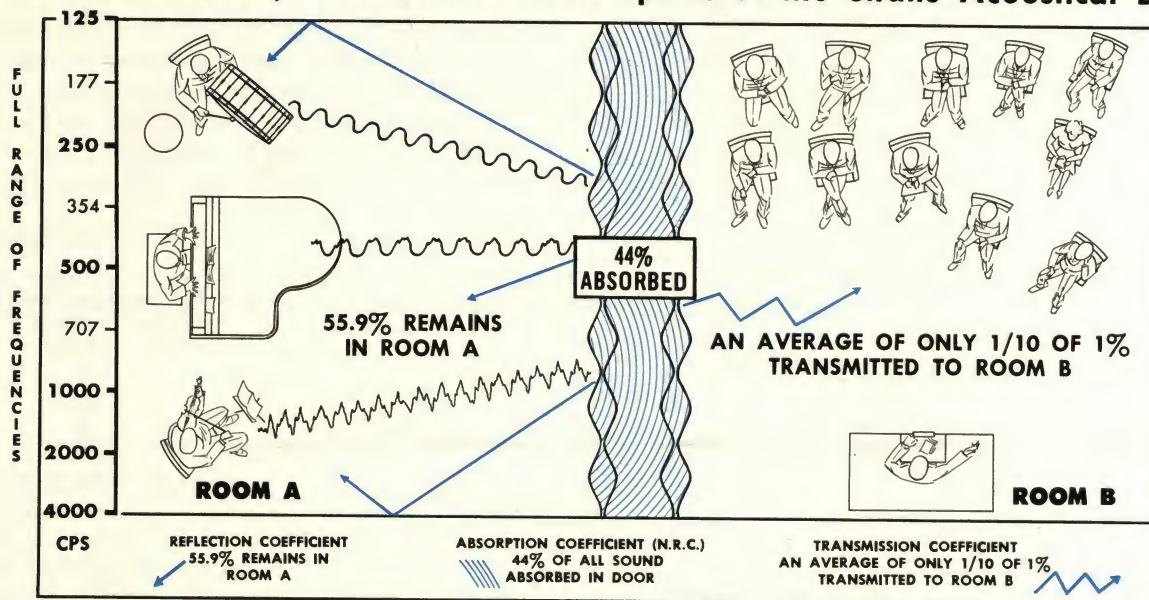
Illustration below shows a recessed pocket installation. This door must be made with a Rolling Post (see page 14.) For depth of pocket refer to stack detail on page 12, and add 6" to total door stack.



Engineers of the Straits factory were given the project of developing the finest acoustical door possible. They experimented with a great many acoustical materials to find the most effective sound barrier to be incorporated into this door. Many were rejected. For example, they found that hardboard folding door surfaces reflected sound much the same way that bare, undraped walls and uncarpeted floors do.

The Engineers did find that the use of insulating blankets, dead air space and soft coverings acted much the same as acoustical tile in absorbing sound and eliminating bounce back. At this point, the acoustical door was designed, which in reality is two doors joined side by side with one common front post in such a way as to provide 19 sound barriers. In addition an acoustical baffle is provided at the ceiling. *Write for bulletin, "When Quiet is a Must"*

SOUND: Transmission, Reflection and Absorption of the Straits Acoustical Door



Tests proved a very high absorption coefficient of 44%; a low reflection coefficient of 55.9%; a transmission of only 1/10 of 1%; a minimizing of reverberations, and much less build up of sound in rooms. In other words, each room will be more quiet even to the extent of absorbing the leakage of outside traffic noise. The absorption on each side of the door is the same. This coupled together with a very favorable weight factor makes the ideal solution for sound control. Each door weighs only 1.41 lbs. per sq. ft. including track. This is due to the stronger channel hinge (less steel needed) and the fact that fiber glass weighs only 1 oz. to a sq. ft.

TYPICAL ACOUSTICAL 1/2" THICK CEILING TILE

Sound Absorption Coefficient at frequency of						
125	250	500	1000	2000	4000	N.R.C.
.05	.15	.64	.87	.76	.78	.54

ASTM Designation C423-58T

ACOUSTICAL TILE—At the frequency of 250 cps, the acoustical tile absorbed only 15% of the noise in the room. At the low frequency of 125 cps the acoustical tile absorbed 5% of the noise in the room. From 500 cps through the higher frequencies up to 4000 cps, the acoustical tile absorbs more sound than the door, however, this is offset by the fact that the human audience in the room will also absorb these high frequencies.

STRAITS ACOUSTICAL DOOR

Frequency in cps	125	177	250	354	500	707	1000	2000	4000	Average Attenuation
Attenuations in decibels	24.	26.	29.	31.	40.	44.	47.	51.	51.	38.2 db

ASTM Designation E90-55 Test Number STR-2T

Averaged over all nine frequencies the Straits Door has an attenuation expressed in decibels of 38.2

SINGLE INSULATED STRAITS DOOR—The sound absorptive feature of the double door construction is also encompassed in the single door construction. Each has a Noise Reduction Coefficient of 44%. However, where sound conditions are not so critical, a transmission loss of rating

STRAITS ACOUSTICAL DOOR

Sound Absorption Coefficient at frequency of							Mounting No.	Thickness Inches
125	250	500	1000	2000	4000	N.R.C.		
.26	.60	.43	.38	.34	.30	.44		Special

ASTM Designation Test No. C423-58T

STRAITS ACOUSTICAL DOOR—At the frequency of 250 cps the Straits Door absorbed 60% of the sound or 5 times as much as acoustical tile. At the frequency of 125 cps the Straits Door absorbed 26% of the sound or more than 5 times that of the acoustical tile. Again the human audience in the room absorbs the higher frequencies. For all practical purposes the acoustical tile and the Straits Door are equivalent in absorption.

NOTE: The Noise Reduction Coefficient of 44 indicates that the door absorbed 44% of all sound striking it.

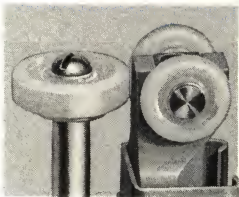
SINGLE INSULATED STRAITS DOOR

Frequency in cps	125	177	250	354	500	707	1000	2000	4000	Average Attenuation
Attenuations in decibels	17.	21.	18.	21.	23.	30.	35.	44.	45.	27.9 db

ASTM Designation E90-55 Test Number 1T

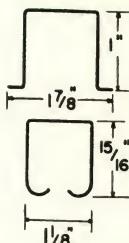
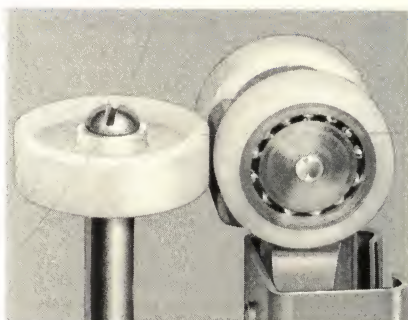
Averaged over all nine frequencies the single insulated door has an average attenuation expressed in decibels of 27.9

27.9 db will probably suffice. For example, there are many conditions in practice where no more than 27.9 db are required, between rooms such as adjacent stenographic pools—computer rooms, groups talking on each side of doors or outside traffic noise entering each room.

STANDARD TRACK (for Imperial 8 Door)—

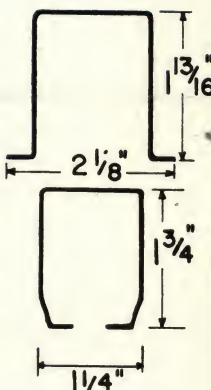
Adjustable nylon wheel trolley that swivels to eliminate binding in track.

is standard to 10'6" in height on a single door narrower than 16' or a pair of doors narrower than 32'. Comes with standard adjustable nylon wheel trolley. Can be either exposed or concealed in pan. Available in Silver-Gray Hammertone baked enamel finish.

**MEDIUM TRACK (for Imperial 8 or Monarch Custom 12 Door)**

Nylon tired ball bearing trolley with metal inner and outer race for smooth quiet durable service.

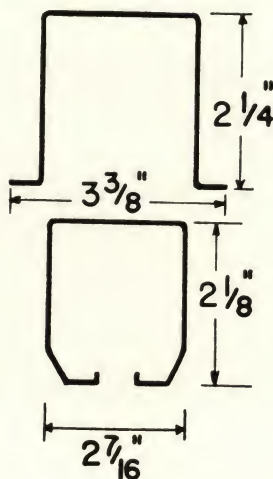
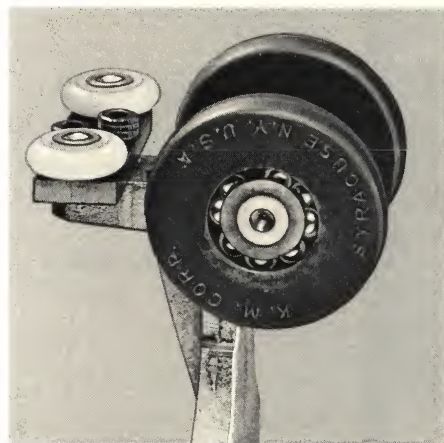
is standard above 10'6" in height regardless of width. Standard on doors 16' and wider regardless of height. Standard on pairs of doors 32' or wider regardless of height. Also available as an accessory for doors narrower or lower than above. Used on Monarch Custom 12 Doors regardless of height when



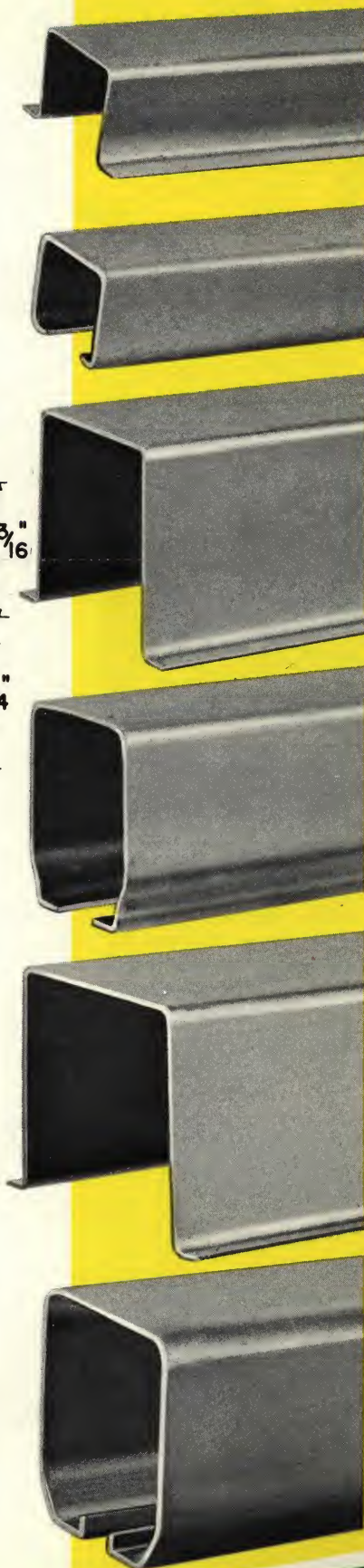
track is to be exposed. Available in Silver-Gray Hammertone baked enamel finish.

LARGE TRACK (Monarch Custom 12 doors only)—

To be used on concealed installations only. Track is of 16-gauge heavy duty steel available in Silver-Gray Hammertone baked enamel finish.



Neoprene tired ball bearing trolley with nylon guide wheels. Neoprene gives the smoothest, most quiet and longest wear. Neoprene and nylon are impervious to grease and oil.



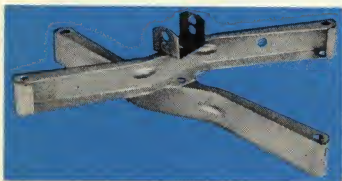
LIGHTER YET STRONGER

Not only warranted, but an
unprecedented construction
guarantee as well.

CONSTRUCTION GUARANTEE

Straits Products Inc. guarantee in the construction of the Straits Accordion Folding Doors—the following—

1. That each individual hinge plate will be formed in a channel shape and will withstand a minimum transverse load test of 144 pounds.
2. Not to weld any of our vertical rods and burn off protective coating.
3. That all trolleys will be adjustable.
4. That all lead trolleys will have a horizontal guide wheel, a bronze casting, or both where needed to prevent twisting and insure positive alignment when latching.
5. That doors 7'6" in height will have an intermediate row of hinges and each 3'6" in height thereafter will have an additional row of hinges.
6. Hinges and rods will be so constructed and with the aid of limit chains on doors 7'6" wide and wider as to cause the folds of door to extend evenly and uniformly and prevent door from pulling flat.
7. That all webbing used will be of a sufficient width to assure, positively, a non-chaffing action between hinge plates and outer vinyl covering.
8. To tape all vertical seams to prevent seams from unraveling and to assure a secure binding of all joined material.
9. To center fasten all cloth covering to frame and at all times to place vertical seams in the bottom of the volutes.
10. To use nylon thread exclusively on all sewn seams.
11. The cloth backed vinyl plastic covering material to be sunfast, flame resistant, mildew proof and of a type that will not peel, craze or crack.
12. The chrome exterior hardware against rust or discoloration.



**AVERAGE HINGE
STRENGTH 161 LBS.**

Straits will furnish a certified copy of tests by an independent laboratory attesting to an average hinge strength of 161.6 lbs., assuring you that this is the hinge that will be incorporated into the construction of the door you specify. Avoid substitution.

FOR COMPLETE COPY OF TESTS IN CATALOG AND COLOR SWATCHES WRITE:

STRAITS PRODUCTS, INC.

Manufacturers of Quality Precision Products since 1933

2700 Franklin Street

Detroit 7, Michigan

Distributed By

Digitized by:



ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

<https://archive.org/details/buildingtechnologyheritagelibrary>

From the collection of:

Carol J. Dyson, AIA